

DESCRIPTION

Under this item the bidder shall conduct the following training program:

Traffic Engineering requires that a one week training program be set-up. The week will be on Microprocessor controller. A factory engineer for the controller and cabinet supplier shall conduct a schooling/training program for the week on the operation and maintenance of 8 phase, Microprocessor Controllers and the 4 & 8 phase Microprocessor Cabinet.

DAY ONE: Cabinet and cabinet wiring, field wiring. Controller operation and timing: set-up timing, conflict monitor, etc. Go over drawings on all aspects of the equipment.

DAY TWO: Describe operation of various circuits and how digital logic relates to the operation of such circuits. Describe how digital theory work for flip flop's, counters, up/down decade counters, one shots, and etc., should include factory handouts on chip specifications for each chip, outputs and voltage references. Go over block diagram. Show various modules interface with each other and back panel and controller chassis. Describe wiring interconnect of "Motherboard" and various test points for "Motherboard".

DAY THREE: Additional theory training and the start of training in techniques of trouble shooting various types of modules, such as the vehicle pedestrian timing module: input-output module: interval sequence module etc. The use of test equipment required to trouble shoot the equipment.

DAY FOUR: Additional training in trouble shooting techniques, with Hands on Equipment for all modules and "Motherboard".

DAY FIVE: Over all review of previous 4 days and training on other required equipment.

The bidder shall supply an area suitable for 25 people, with chairs, tables, blackboards and nearby restrooms, and be climate controlled for such training. The training personnel shall bring with them sufficient materials and electronic equipment to perform the training as described above and a sufficient quantity of prints and technical manuals required for all equipment.

The bidder will supply an area for such training. The training specialist will supply all materials.

BASIS OF PAYMENT

Payment for this item will be made upon satisfactory completion of the training.

The lump sum price shall include all labor, tools, materials and incidentals necessary to meet the specifications.